(FILE 'HOME' ENTERED AT 11:46:58 ON 27 JUN 2001) FILE 'MEDLINE, AGRICOLA, CANCERLIT, SCISEARCH, CAPLUS, BIOSIS, MEDICONF' ENTERED AT 11:47:17 ON 27 JUN 2001 L1 5935 S INTER?-13 L2 419476 S L1 AND CAN? OR FEL? L3 1376 S L1 AND (CAN? OR FEL?) T,4 23 S L3 AND CANINE 12 DUP REM L4 (11 DUPLICATES REMOVED) L5 12 SORT L5 PY 1.6 => d ti so au ab pi 7 8 12 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2001 ACS L6 ΤI Canine and feline immunoregulatory proteins, nucleic acid molecules, and uses thereof PCT Int. Appl., 264 pp. SO CODEN: PIXXD2 Sim, Gek-Kee; Yang, Shumin; Dreitz, Matthew J.; Wonderling, Ramani S. IN AΒ The present invention relates to canine interleukin-4, canine or feline Flt-3 ligand, canine or

feline CD40, canine or feline CD154,

canine interleukin-5, canine interleukin-13, feline interferon .alpha., and/or feline

granulocyte-macrophage colony-stimulating factor (GM-CSF) proteins and

their encoding nucleic acids. Antibodies raised against such proteins, and inhibitory compds. that regulate such proteins are also provided. present invention also includes methods to identify and obtain such proteins, nucleic acid mols., antibodies, and inhibitory compds. Also included in the present invention are therapeutic compns. comprising such proteins, nucleic acid mols., antibodies and/or inhibitory compds. as well as the use of such therapeutic compns. to regulate an immune response in an animal.

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- ANSWER 8 OF 12 MEDLINE L6
- Canine interleukin-13: molecular cloning of ΤI full-length cDNA and expression of biologically active recombinant protein.
- JOURNAL OF INTERFERON AND CYTOKINE RESEARCH, (2000 Sep) 20 (9) 779-85. SO Journal code: CD4; 9507088. ISSN: 1079-9907.
- ΑU Yang S; Boroughs K L; McDermott M J
- Interleukin-13 (IL-13) regulates immune responses AB mediated by type 2 T helper lymphocytes (Th2) in the human and mouse. To study the function of this cytokine in the dog, we have isolated a cDNA that encodes the full-length canine IL-13 (CaIL-13) precursor polypeptide of 131 amino acids. CaIL-13 shares significant homology with the IL-13 amino acid sequences of cattle (54.1%), mouse (39.6%), and rat (36.6%) but shares the highest identity with human IL-13 (HuIL-13)

- (61.8%). The predicted caIL-13 mature polypeptide of 12 residues was expressed in bacteria, and recombinant CaIL-13 (rCaIL-13) was isolated from inclusion bodies and refolded. rCaIL-13 stimulated the proliferation of TF-1 cells, which are derived from human erythroleukemia cells and respond to IL-13 as well as to a number of other human and murine cytokines. CaIL-13 mRNA was readily detectable by reverse transcriptase-polymerase chain reaction (RT-PCR) in cells from lymph nodes and peripheral blood. The gene sequence and biologically active recombinant protein for CaIL-13 will be useful reagents to determine the role of IL-13 in the regulation of canine immune responses.
- L6 ANSWER 12 OF 12 BIOSIS COPYRIGHT 2001 BIOSIS

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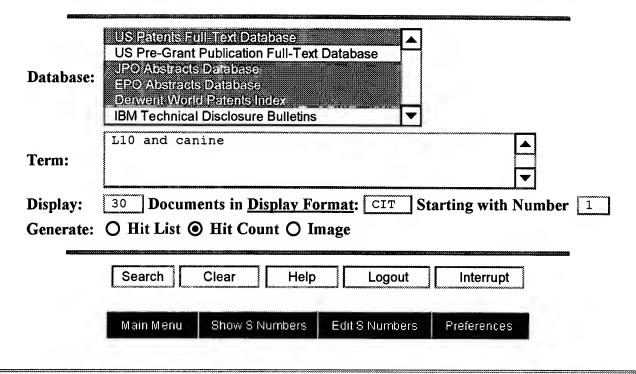
- TI Soluble canine IL-13 receptor alpha2-Fc fusion protein inhibits canine allergen-specific-IgE production stimulated by IL-13 in vitro.
- Journal of Allergy and Clinical Immunólogy, (February, 2001) Vol. 107, No. 2, pp. S91. print.

 Meeting Info.: 57th Annual Meeting of the American Academy of Allergy,
 Asthma and Immunology New Orleans, Louisiana, USA March 16-21, 2001
 ISSN: 0091-6749.
- AU Tang, Liang (1); Boroughs, Karen (1); Stedman, Kim E. (1); Sellins, Karen (1); Morales, Tony (1); McDermott, Martin (1); Yang, Shumin (1); McCall, Catherine A. (1)



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Search History

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DB Name	<u>Query</u>	Hit Count	Set Name
USPT,JPAB,EPAB,DWPI	L10 and canine	72	<u>L11</u>
USPT,JPAB,EPAB,DWPI	L2 and interleukin-4	130	<u>L10</u>
USPT,JPAB,EPAB,DWPI	L2 and interleukin-13	11	<u>L9</u>
USPT,JPAB,EPAB,DWPI	canine near interleukin-13	0	. <u>L8</u>
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USPT,JPAB,EPAB,DWPI	canine adj interleukin-4	0	<u>L6</u>
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USPT,JPAB,EPAB,DWPI	canine and interleukin-4	72	<u>L4</u>
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